Inlays/Onlays

**INLAY PREPARATION**

- 1.5 mm to 2.0 mm isthmus width
- Shoulder margin
- Rounded internal line angles
- 1.0 mm to 1.5 mm wide gingival floor
- 1.5 mm-depth at isthmus

**ONLAY PREPARATION**

- 1.0 mm- to 1.5 mm-wide gingival floor
- Shoulder margin
- Occlusal reduction of 1.5 mm to 2.0 mm

**3-Unit Bridge Restorations**

**3-UNIT BRIDGE PREPARATION**

- 1.5 mm to 2.0 mm occlusal reduction
- Rounded internal line angles
- Shoulder margin
- 1.5 mm axial reduction
- 1.0 mm reduction at the gingival margin

**Full-Coverage Restorations**

**POSTERIOR CROWN PREPARATION**

- Rounded internal line angles
- 1.5 mm to 2.0 mm occlusal reduction
- 1.5 mm axial reduction
- 1.0 mm reduction at the gingival margin

A flat-ended, tapered diamond is utilized to establish a shoulder margin.

**CONVENTIONAL CEMENTATION PREPARATION**

- Taper between 4° and 8°
- Shoulder preparation of at least 1.0 mm proximal reduction
- Occlusal reduction of at least 2.0 mm in contact area
- Coronal length at least 4.0 mm

When layered or pressed ceramic margins are preferred in conjunction with a zirconia framework, enhanced gingival esthetics can be achieved with a definitive 90 degree shoulder preparation.

**Call us toll free at 1-800-533-6825 in the U.S., 1-800-763-8182 in Canada. ©2009 Ivoclar Vivadent, Inc. IPS e.max is a registered trademark of Ivoclar Vivadent. #598204 All Illustrations ©2009 Montage Media Corporation**
# All-Ceramic Chairside Preparation Guide for IPS e.max®

### For IPS e.max® indications

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## Anterior Chairside Preparation Guide

### Full-Coverage Restorations

**ANTERIOR CROWN PREPARATION**

- Shoulder margin: 1.0 mm reduction at the gingival margin
- 1.0 mm to 1.5 mm facial reduction
- 1.5 mm lingual contact clearance
- 1.5 mm to 2.0 mm incisal reduction
- Rounded internal line angles
- Football-shaped finishing bur for lingual reduction

### 3-Unit Bridge Restorations

**3-UNIT BRIDGE PREPARATION**

- Shoulder margin: 1.0 mm reduction at the gingival margin
- 1.5 mm axial reduction
- 1.5 mm to 2.0 mm incisal reduction
- Rounded internal line angles

### Veneers

A medium grit, round-ended, diamond bur is used to remove a uniform thickness of facial enamel by joining the depth-cut grooves.

### Thin Veneers

IPSe.max can be pressed to as thin as 0.3 mm for veneers. If sufficient space is present, IPS e.max can be placed over the existing teeth without the removal of any tooth structure. Depending on the case requirements, however, some teeth may need to be prepared to accommodate for the thickness of the ceramic and to ensure for proper contour and emergence profile.

*Please note: For additional masking capabilities and/or layering techniques, further reduction may be necessary. Contact your laboratory for further information.*

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*Image descriptions and diagrams are not transcribed here.*